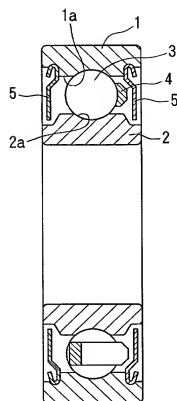


FIG. 1



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FIG. 2

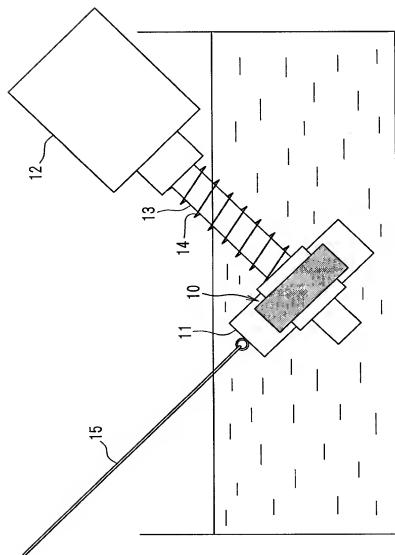


FIG. 3

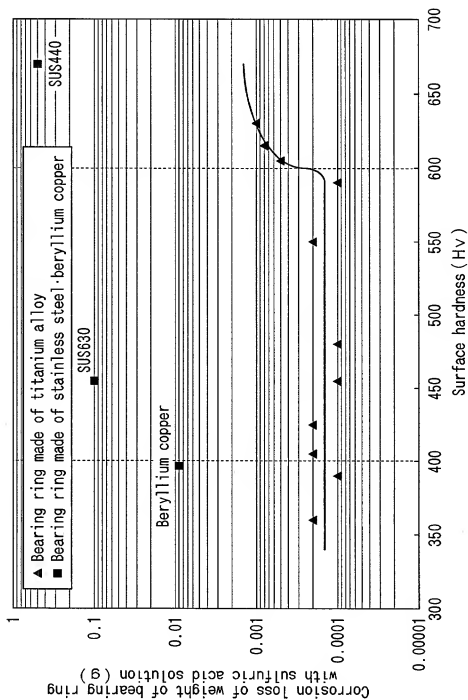


FIG. 4

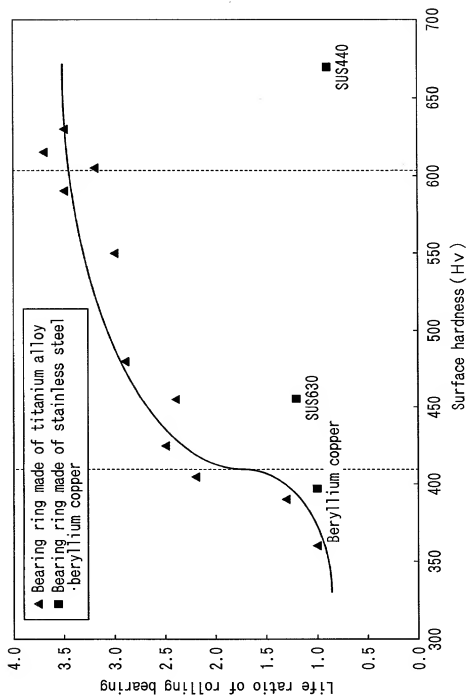


FIG. 5

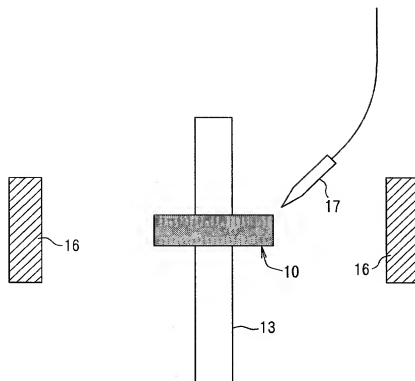


FIG. 6

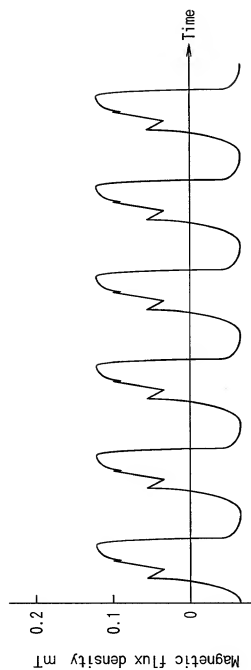


FIG. 7

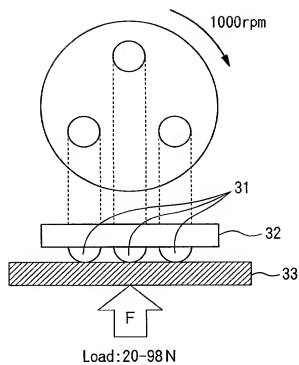


FIG. 8

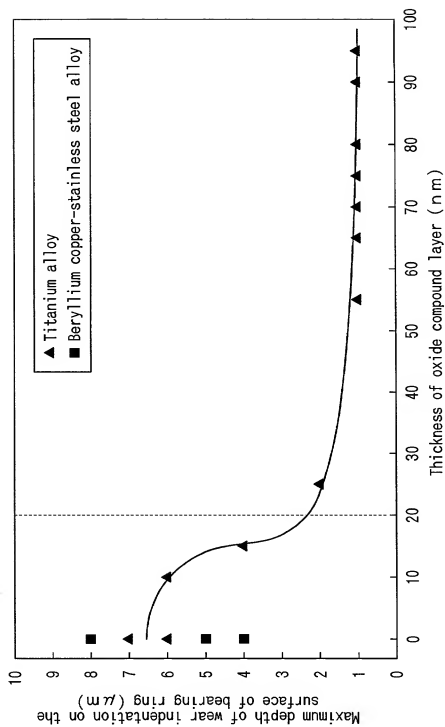




FIG. 9

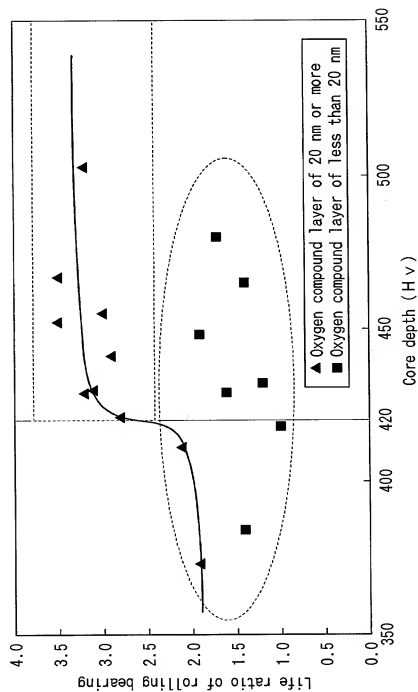


FIG. 10 A

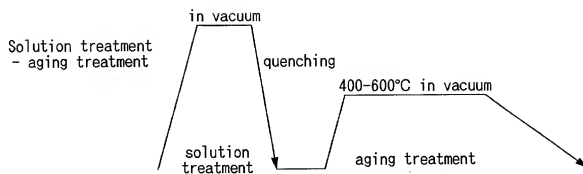


FIG. 10 B

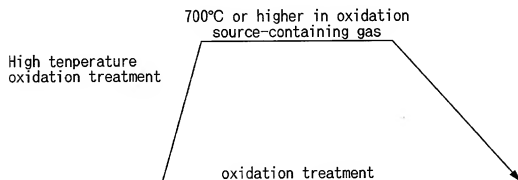


FIG. 10 C

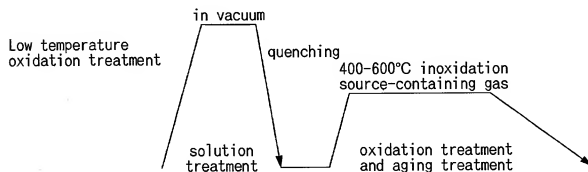


FIG. 11A

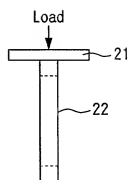


FIG. 11B

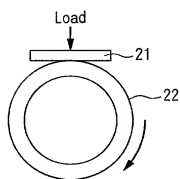


FIG. 12

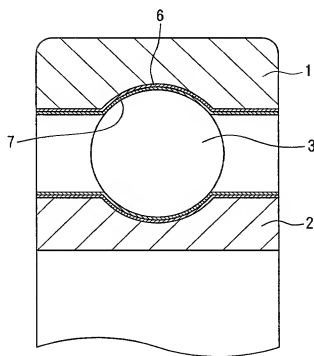


FIG. 13

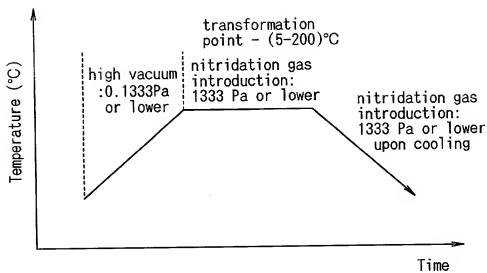


FIG. 14

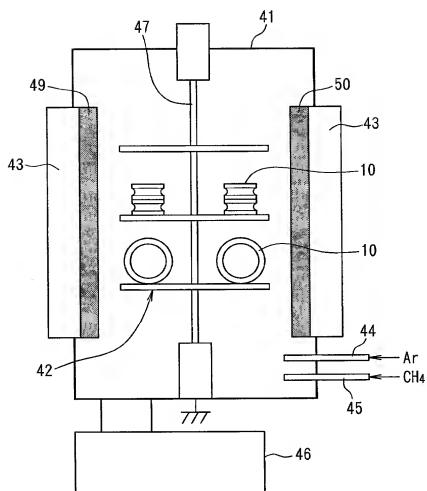
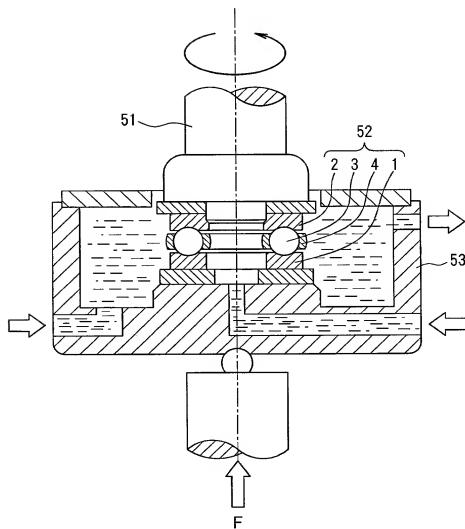


FIG. 15



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FIG. 16

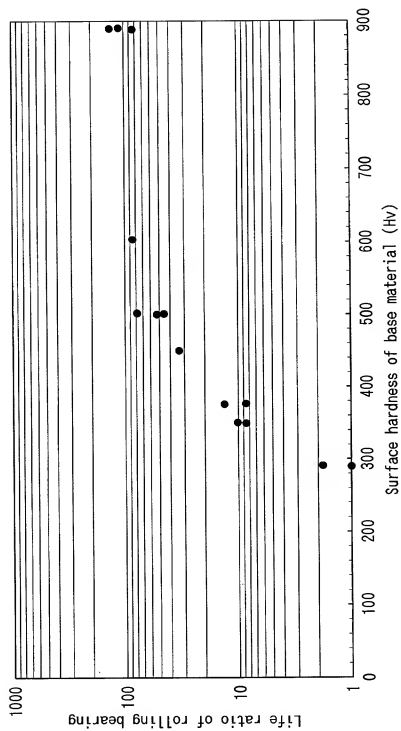


FIG. 17

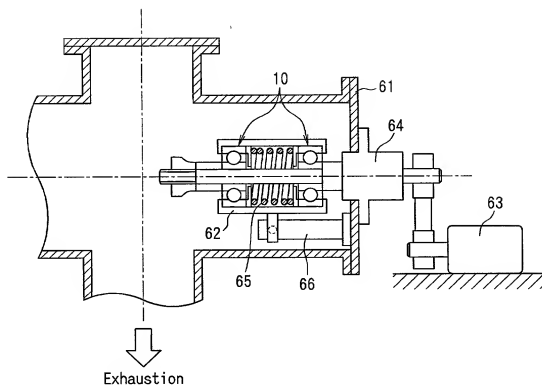




FIG. 18

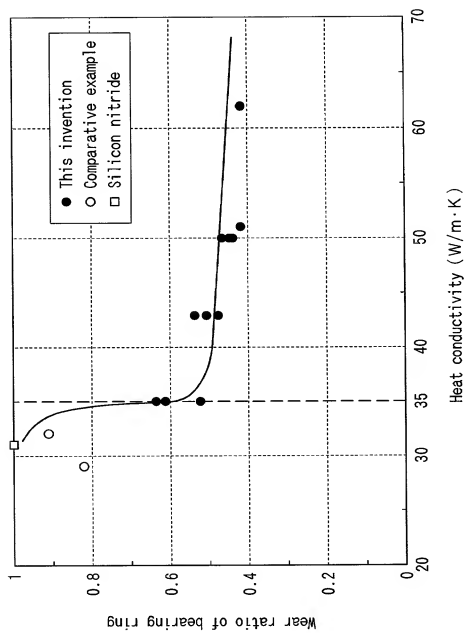


FIG. 19

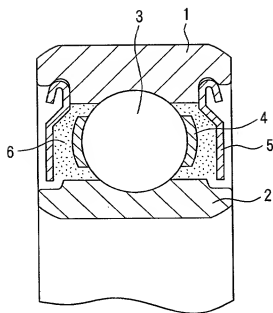


FIG. 20

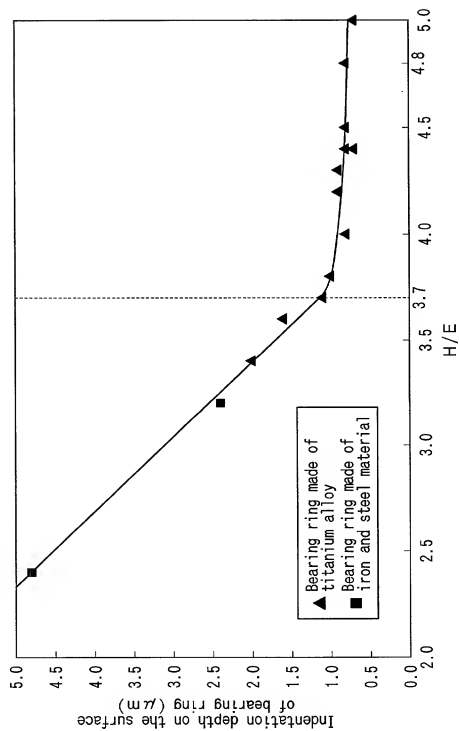
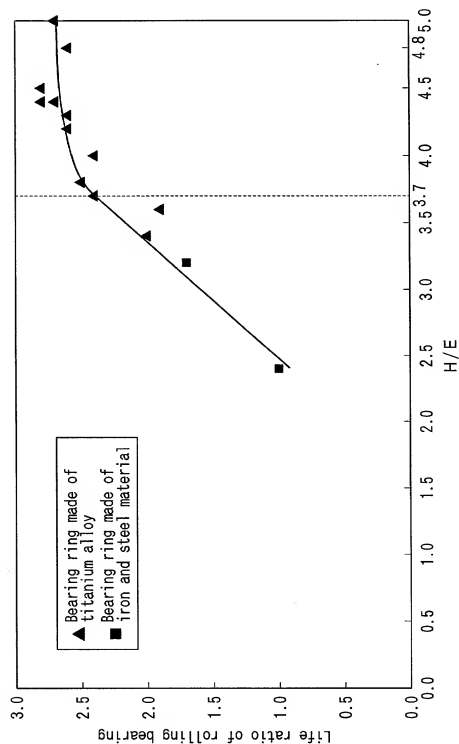
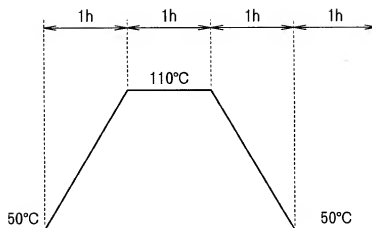


FIG. 21



F I G. 22



F I G. 23

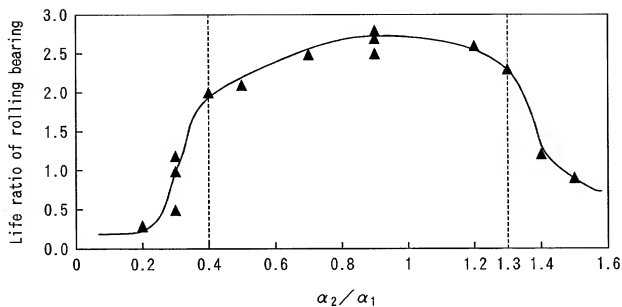


FIG. 24

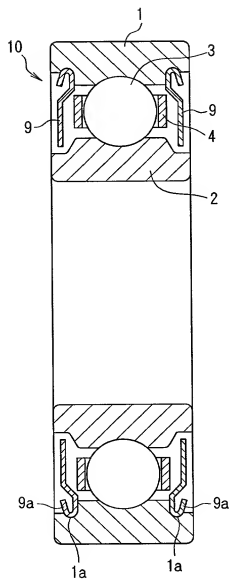
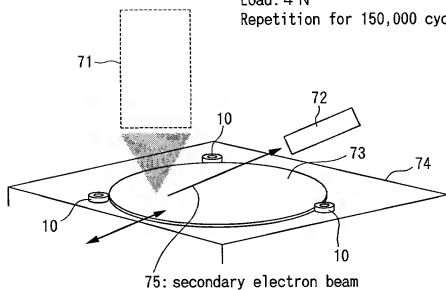


FIG. 25

Number of rotation: 50rpm  
Load: 4 N  
Repetition for 150,000 cycles



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